

REMARKS

Attached hereto is a marked-up version of the changes made to the application claim 1 by this Amendment.

The Office Action mailed October 14, 2004 has been carefully considered. After such consideration the drawings of Fig. 1 and Fig 3 have been changed to delete the numeral 20 from Fig. 1 since it had two numbers for the same element and to delete numeral 25 from Fig. 3 since it was not mentioned in the spec. New replacement sheets are provided for these Figs.

The listing of references in the spec was not intended to be an IDS statement but to provide background for the reader and hence no changes are made thereto.

Claim 1 has been amended to provide the Examiner's suggested language

The Examiner has indicated that claims 1-5 are rejected under 35 USC 102 and 35 USC 103 as being either disclosed or obvious over the Ricciuti reference, the Blades reference, the Brunson reference and the Kennedy reference. The applicant contends that these references neither alone nor in any combination teach the claimed invention.

As the Examiner will recall, the present invention is drawn to a high voltage motor monitoring system where a motor control enclosure having high voltage lines from a high voltage source power a high voltage motor. Hence this enclosure is a safety hazard for testing personnel. Therefore, current transformer is located on each high voltage line in said motor control enclosure for measuring the current in each high voltage line and producing a low voltage signal proportional to the measured current while an E-plug module located inside said motor control enclosure is connected to each of said current transformers for processing said low signals there from for use by an externally located motor monitoring system being connected to a quick connect means mounted on an outside surface of said motor control enclosure having a connection to said E-plug module inside said enclosure

and to a motor monitoring system outside said enclosure. This makes the measurements safe for the personnel doing the testing.

The Examiner contends that the Ricciuti reference teaches this system. But a careful review of this reference shows that there is no teaching therein that a quick connect means be mounted on the outside surface of the motor enclosure with a connection to both the inside E-plug and to an externally located motor monitoring system. The Ricciuti reference teaches a box 30 mounted to the high voltage motor cabinet to be a part thereof and having a door 36 which needs to be opened to access a plug module therein by a motor monitor. As such this is the explained problem the present invention was meant to solve. By preventing access to the motor enclosure or any part thereof. As such it is submitted that claim 1 patentably distinguishes over the reference and stands allowable. Claims 2-5 are dependant on claim 1 and are therefore also allowable.


These claims further distinguish over the references in their own right. As an example, claim 2 recites doughnut shaped current transformer. The Examiner claims the Blades reference teaches such. However, Blades is totally non-analogous art dealing with an arc detector monitoring high frequency noise on power lines and monitors only voltage not current. Therefore there is no common link between this reference and Ricciuti to make it obvious.

Claim 3 recites the quick connect being mounted on the door of the of the motor control enclosure. The Examiner contends that the Brunson reference teaches this aspect at column 6, lines 12-15. However, there the only teaching is that the housing of the diagnostic tools connected to the electric motor start-up circuitry without any mention of where this is located.

Claims 4-5 teach that the quick connect tool is a RJ-45 plug. The Examiner contends that Keenedy teaches such a plug. However, Kennedy teaches a computer connection of an Ethernet therethrough and as such is non –analogous art to the isolation of a high voltage motor enclosure from a motor monitoring circuit.

The Applicant submits that he has placed the case in condition for allowance which action is respectfully requested.

Respectfully submitted,



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